

Title (en)
TUBULAR CONNECTION WITH SLOTTED THREADS

Title (de)
RÖHRENFÖRMIGE VERBINDUNG MIT GESCHLITZTEM GEWINDE

Title (fr)
LIAISON TUBULAIRE AVEC FILETAGE AJOURE

Publication
EP 1690027 A2 20060816 (EN)

Application
EP 04795555 A 20041015

Priority
• US 2004034411 W 20041015
• US 69092003 A 20031022

Abstract (en)
[origin: US2005087985A1] A connection for the quick and functionally reliable connection of tubulars including pipes and casing. The connection having a male or pin end and a mating female, box, or socket end and sections of circumferentially and axially extending protuberances such as thread segments or lugs interrupted by slots extending circumferentially and axially approximately the same distance as the corresponding protuberance section. Both the pin and box have matching or corresponding arrays of interrupted threads and slots. When properly aligned, the array will be accepted by a corresponding slot when mating the pin and box. After proper mating, the connection is secured by rotating the pin or box to further mate the corresponding patches of the pin and box.

IPC 8 full level
F16L 15/00 (2006.01); **F16L 17/00** (2006.01); **F16L 19/00** (2006.01); **F16L 35/00** (2006.01); **F16L 37/244** (2006.01)

CPC (source: EP US)
F16L 37/2445 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005087985 A1 20050428; US 7513537 B2 20090407; CA 2552712 A1 20050512; EP 1690027 A2 20060816; EP 1690027 A4 20100428; NO 20062047 L 20060714; US 2005285399 A1 20051229; WO 2005043019 A2 20050512; WO 2005043019 A3 20060727

DOCDB simple family (application)
US 69092003 A 20031022; CA 2552712 A 20041015; EP 04795555 A 20041015; NO 20062047 A 20060508; US 19961705 A 20050808; US 2004034411 W 20041015